

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S38	16392	parallel with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:30
S41	254	S40 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S40	450	S39 and ("422" or "208"). clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S39	1215	parallel with reactor same (fixed or catalyst) bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S42	0	S41 and heat exchange\$1 same thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:34
S44	82	S41 and heat exchange\$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:35
S43	0	S41 and heat exchange\$1 and thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:35
S45	0	S44 and (multitubular) bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:43
S47	12	S44 and (multiple or plurality or plural or several or more or multitubular or multilayer) (catalyst bed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:44
S46	12	S44 and (multiple or plurality or plural or several or more) (catalyst bed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:44
S48	155124	("422" or "208").clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:46
S53	11	S52 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S52	15	(multitubular or multilayer or multi layer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47

S51	0	S50 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S50	3	(multitubular or multilayer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S49	0	S48 and (multitubular or multilayer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S55	0	(multitubular or multilayer or multi layer) catalyst layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:48
S54	66	("2438450" "2443462" "2666749" "2703315" "2774742" "2865866" "2890162" "2987470" "3041271" "3169827" "3278421" "3340180" "3362901" "3365389" "3530066" "3725531" "3867281" "3873470" "3891541" "3898155" "3901792" "3920540" "3977961" "4016067" "4019978" "4039430" "4105587" "4115248" "4188284" "4272357" "4297242" "4374020" "4407735" "4411771" "4422960" "4437980" "4444655" "4492626" "4552650" "4560466" "4564441" "4568664" "4572778" "4584093" "4587012" "4628040"). PN. OR ("4895816"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:48
S59	45	S58 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S58	85	catalyst bed layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S57	1	catalyst bead layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S56	10650	catalyst layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49

S60	1	"20020170976".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 15:48
S61	59	("20020014106" "20020042140" "20020045265" "20020048536" "20040141893" "20050009175" "20050175519" "3431077" "3536452" "4099923" "4705669" "4869282" "4996387" "5089232" "5252294" "5304354" "5324483" "5417938" "5534328" "5580523" "5589136" "5593642" "5595712" "5603351" "5611214" "5639423" "5658537" "5690763" "5750906" "5776359" "5780748" "5811062" "5833926" "5842787" "5843385" "5863801" "5865417" "5869004" "5872010" "5922591" "5927325" "5959297" "5985356" "6004617" "6030917" "6033544" "6063633" "6087181" "6149882" "6175409" "6616909" "6680044" "6737026" "6749814" "6805841" "6881312" "6902934"). PN. OR ("7118917"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:13
S65	20	S64 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S64	142	S63 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S63	229	thermosiphon with heat exchange\$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S62	1135	thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S68	11463	carbon monoxide with hydrogen with catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32

S67	0	carbon monoxide with hydrogen with catalyst same (multilayer near catalyst bed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32
S66	0	carbon monoxide with hydrogen with catalyst same multitubular bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32
S71	3	S70 and parallel reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S70	85	S69 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S69	225	carbon monoxide with hydrogen with catalyst and (multi or plural or plurality or multiple or two or more) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S72	10	S70 and (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:35
S74	14	S73 and (tube shell or bundle or multitubular) reactor and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:38
S73	760	((carbon monoxide with hydrogen) or syngas) same (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:38
S77	5	S76 not S74	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52
S76	19	S75 and (tube shell or bundle or multitubular) reactor and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52
S75	1881	((carbon monoxide with hydrogen) or syngas) and (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52

S78	25	(US-20020048536-\$ or US-20020170976-\$ or US-20030014974-\$ or US-20030068260-\$ or US-20030083535-\$ or US-20030175173-\$ or US-20060180501-\$).did. or (US-2852545-\$ or US-3334971-\$ or US-3911896-\$ or US-3968653-\$ or US-4767791-\$ or US-4789528-\$ or US-4801573-\$ or US-5202517-\$ or US-5266281-\$ or US-5520890-\$ or US-5558783-\$ or US-5750823-\$ or US-6482366-\$ or US-6936082-\$ or US-7118917-\$ or US-7150994-\$).did. or (US-2852545-\$ or US-3334971-\$).did.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:55
S79	4	S78 and (thermosiphon or thermo siphon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:56
S80	557	heat (exchanger or exchange) same (thermosiphon or thermo siphon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:59
S82	9	S81 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:00
S81	9	S80 and catalyst reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:00
S84	6	S83 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:28
S83	8	carbon monoxide with hydrogen with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:28
S85	5	(Production or producing or making or produce) (methanol) and catalyst with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:29
S87	18	S86 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:33

S86	56	((carbon monoxide with hydrogen) or syngas or synthesis gas) and catalyst with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:33
L2	68	1 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:37
L1	124	multitubular reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:37
L3	0	multitubular catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:38
L4	67	2 and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:40
L6	321	5 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:41
L5	563	(multi or plurality or multiple) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:41
L7	53	6 and catalyst same (two or more or multiple or plural) (reactor or section)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:42
L9	10	8 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:43
L8	16	(tube shell) reactor and catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:43

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